

ABSTRACT OF THE DISCLOSURE

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A photochromic [1,2-b] naphthopyran having a fluoro substituent in at least one of the 7-position or the 9-position of the naphthopyran provides a stable photochromic compound with a narrow range of absorption. A preferred photochromic naphthopyran has the 2-position of the

- 5 naphthopyran with two aromatic substituents thereon. It is further preferred to have at least one 2-position aromatic substituent comprising a phenyl group. The photochromic naphthopyran may also have at least one 2-position aromatic substituent comprise a phenyl group having one substituent selected from the group consisting of an anthranilyl, azepinyl, benzoxazolyl, dialkylamino, diazepinyl, diazolyl, imidazolidinyl, imidazolyl, imidazolinyl, indazolyl,
- 10 indoleninyl, indolinyl, indoliziny, indolyl, indoxazinyl, isobenzazolyl, isoindolyl, isooxazolyl, isooxazyl, isopyrrol, isoquinolyl, isothiazolyl, julolideno, morpholino, morpholinyl, oxadiazolyl, oxathiazolyl, oxathiazyl, oxathioly, oxatriazolyl, oxazolyl, piperazinyl, piperazyl, piperidyl, purinyl, pyranopyrrolyl, pyrazinyl, pyrazolidinyl, pyrazolinyl, pyrazolyl, pyrazyl, pyridazinyl, pyridazyl, pyridyl, pyrimidinyl, pyrimidyl, pyridenyl, pyrrolidinyl, pyrrolinyl, pyrrolyl,
- 15 quinoliziny, quinocyclidinyl, quinolyl, thiazolyl, triazolyl and triazyl group.

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